

## Functionality

Version 1.0 of PCE provides options that allow:

- Collection and management of outpatient encounter data
- Presentation of outpatient encounter data through Health Summary components and Clinical Reports.
- Capture of outpatient encounter data through interactive and non-interactive interfaces.

### *Interactive interfaces*

- Online data capture using a user interface developed with List Manager tools.
- Online data capture in which Scheduling integrates with PCE to collect checkout information.

### *Non-interactive interfaces*

- PCE Device Interface, which supports the collection of encounter form data from scanners such as PANDAS, Pen-based Teleform, and Automated Information Collection System (AICS). The interface also supports workstation collection of outpatient encounter data.
- PCE application programming interface (API) which supports the collection of outpatient encounter data from ancillary packages such as Laboratory, Radiology, Text Integration Utility (TIU), and Computerized Record Patient System (CPRS).



## PCE Workflow

1. A provider has a patient encounter (appointment, walk-in, telephone call, etc).

Materials available to provider:

*Health Summary* with new components summarizing previous encounters, and a health reminders component based on PCE data

*Encounter Form* (hard copy or workstation) with pre-defined terminology for the provider's clinic/service type

*Other VISTA reports*—PCE Clinical Reports, Action Profile, Daily Order Summary, Lab Interim report, etc.

2. The provider documents the encounter (hard copy or online). Types of data collected and stored in PCE:

*Providers*

*Diagnoses*

*CPT procedures provided*

*Immunizations (CPT-mappable)*

*Skin tests (CPT-mappable)*

*Patient education*

*Exams (non-CPT-mappable)*

*Treatments (non-CPT-mappable)*

3. Information from a hard copy encounter form is entered into VISTA by a data entry clerk or scanned via an interface utility.
4. Encounter form data that isn't scanned or is scanned incorrectly can be entered or edited through the PCE data entry program.
5. Nurses and other providers can enter immunizations, patient education, or other pieces of clinical information through PCE.
6. The provider can view items entered into PCE on a Health Summary or customized report. If items such as health factors, immunizations, or patient education have been set up for clinical reminders, these reminders will appear on the patient's health summary.



## Patient Care Encounter (PCE)

### Quick Reference Card



Department of Veterans Affairs  
Software Service  
Computerized Patient Record System  
Product Line

## Adding Encounter Data

With the Update Encounter action you can add or edit encounter information, either through the Edit an Item or Delete an Item actions, or by choosing one of the other actions shown below.

### Steps to add an Immunization

1. Select UE from the PCE Appointment List screen.
2. Select IM from the PCE Update Encounter screen.

<b>PCE Update Encounter</b> Nov 10, 1994 10:36:29 Page:1 of 1		
DOE,WILLIAM C. 243236572 Clinic or Ward: ORTHOPEDICS		
Encounter Date 11/07/94 08:00 Clinic Stop: ORTHOPEDICS		
1 Encounter: 11/07/94 08:00		
Encounter Type: X Appointment		
<b>+ Next Screen</b>	<b>- Prev Screen</b>	<b>?? More Actions</b>
ED Edit an Item	TR Treatment	DD Display Detail
DE Delete an Item	IM Immunization	DB Display Brief
EN Encounter	PE Patient Ed	IN Checkout Interview
PR Provider	ST Skin Test	SC Stop Code
DX Diagnosis (ICD 9)	XA Exam	QU Quit
CP CPT (Procedure)	HF Health Factors	
Select Action: Quit// <b>IM</b> Immunization		

3. Respond to the following prompts for the immunization, as appropriate.

Immunization: <b>POLIOMYELITIS</b>	SALK
Encounter Provider: REEN, JO/[ <b>RET</b> ]	REEN, JO JR
Is this provider Primary or Secondary? P//[ <b>RET</b> ]	
Series: <b>B</b>	
Reaction: [ <b>RET</b> ]	
Repeat Contraindicated: NO//[ <b>RET</b> ] NO (OK TO USE IN THE FUTURE)	
Administered Date and (optional) Time:(4/21/96-5/22/96): [ <b>RET</b> ]	
Comments: [ <b>RET</b> ]	
Immunization: [ <b>RET</b> ]	

4. The edited screen is then displayed.

## Clinical Reminders

The PCE Clinical Reminders functionality works in conjunction with Health Summary to provide providers with timely information about their patients' health maintenance schedules. Providers can work with their local ADP coordinators to set up customized schedules based on local and national guidelines for patient education, immunizations, and other procedures.

### Example of Health Summary showing clinical reminders

10/11/96 16:03				
*****CONFIDENTIAL OUTPATIENT SUMMARY *****				
WEIGHTS,TOM	200-01-0101 SURG-ICU DOB: 10/03/50			
----- DEM - Demographics -----				
Address: HEARTATTACK & VINE hone: 703-450-8010				
LOS ANGELES, CA 23077 County: LOS ANGELES				
Marital Status: NEVER MARRIED	Age: 40			
Religion: OTHER	Sex: MALE			
Period of Service: VIETNAM ERA				
Branch of Service: MARINE CORPS 08/07/70 TO 04/15/75				
Eligibility: SC LESS THAN 50%	Status: VERIFIED			
S/C %: 0				
NOK: LEONARD & JEANNINE	Relation: PARENTS			
135 BLACKHAWK	Phone: 314-820-1111			
DINER, MISSOURI 63122				
----- CVP - Past Clinic Visits -----				
10/09/96 08:45	BLUE-ORTHOPEDIC-JC			
10/03/96 13:00	GREEN-DERMATOLOGY PM-JC			
09/19/96 10:00	PSYCHOLOGY L KANTON PHD JC			
----- BLO - Brief Lab Orders (max 6 occurrences or 1 year) -----				
Collection DT	Test Name	Specimen	Urgency	Status
09/25/96	GLUCOSE	SERUM	ROUTINE	ORDERED
09/13/96	CHEM 7	SERUM	ROUTINE	COMPLETED
05/22/96	CBC	BLOOD	ROUTINE	PROCESSING
----- RXOP - Outpatient Pharmacy -----				
Outpatient prescriptions are cancelled 72 hours after admission				
Last Drug	Rx #	St	Qty	Issued Filled Rem
THEOPHYLLINE 200MG	5174091A	A	90	10/04/95 10/04/96 (5)
T1.5T PO BID NH				
TRIAMCINOLONE (AZMA	5174100A	A	1	10/04/95 10/04/96 (5)
-----CLINICAL REMINDERS -----				
	LAST		NEXT	
CHOLESTEROL	4/12/96		DUE NOW	
BLOOD PRESS	4/12/96		DUE NOW	
SMOKING EDU	4/12/96		DUE NOW	
* END *				

## Clinical Reports

The PCE Clinical Reports options provide clinicians and managers with summary data about their patients, workload activity, and encounter counts.

### PCE Clinical Reports Menu

PP	Patient Profile by Clinic
PA	Patient Activity by Clinic
WL	Workload by Clinic
DX	Diagnoses Ranked by Frequency
CE	Location Encounter Counts
PE	Provider Encounter Counts

Aug 22, 1996 11:20:38 am Page 1		
PCE Diagnosis Ranked by Frequency		
Criteria for Frequency of Diagnoses Report		
Encounter diagnoses:	Primary Diagnoses )	
Encounter date range:	Jul 27, 1995 - May 22, 1996	
Selected clinics:	YES	
Service categories:	AHIT	
Patient Ages.....	ALL	
Patient Sex.....	ALL	
Maximum number of diagnoses to be displayed: 10		
Facility: SALT LAKE CITY 660		
Clinic Stop: CARDIOLOGY (143)		
Total number of Encounters meeting the selection criteria: 71		
Total number of Diagnoses for these Encounters: 45		
Diagnoses/Encounter ratio: 0.63		
PCE Diagnosis Ranked by Frequency		
10 Most Frequent ICD Diagnoses:		
Code	Description	frequency
-----	-----	-----
1. 100.0	LEPTOSPIROS ICTEROHEM	6
2. 401.1	BENIGN HYPERTENSION	6
3. 100.81	LEPTOSPIRAL MENINGITIS	3
4. 342.01	FLAC HEMIPLEG & HEMIPAR, DOM.	2
5. 501.	ASBESTOSIS	2
6. 142.0	MALIG NEO PAROTID	2
7. 429.3	CARDIOMEGALY	2
8. 100.89	LEPTOSPIRAL INFECT NEC	2
9. 701.0	CIRCUMSCRIBE SCLERODERMA	1
10. 500.	COAL WORKERS' PNEUMOCOCON	1
10 Most Frequent Diagnostic Categories:		
Diagnostic Category		Count
-----		-----
1. CIRCULATORY SYSTEM		10
2. INFECTIOUS & PARASITIC		8
3. NERVOUS SYSTEM		8
4. MENTAL DISEASES & DISORDERS		4
5. SKIN,BREAST,SUBCUTANEOUS T		3
6. RESPIRATORY SYSTEM		3
7. MYELOPROLIFERATIVE,NEOPLASIA		2
8. DIGESTIVE SYSTEM		2
9. EAR, NOSE, MOUTH & THROAT		2
10. INJURY,POISONING,DRUG TOXICITY		1
Facility: SALT LAKE CITY 660		
End of the report.		

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